

FILE NO.: 1078/1C598US5

**DECLARATION
AND POWER OF ATTORNEY
Original Application**

As a below named inventor, I declare that the information given herein is true, that I believe that I am the original, first and sole inventor if only one name is listed at 1 below, or a joint inventor if plural inventors are named below, of the invention entitled:

**SYNTHESIS OF EPOTHILONES INTERMEDIATES THERETO,
ANALOGUES AND USES THEREOF**

which is described and claimed in:

☐ the attached specification or ☒ the specification in application
Serial No.8/986,025 filed
December 3, 1997
(for declaration not accompanying appl.)

that I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application, that I acknowledge my duty to disclose information of which I am aware which is material to patentability in accordance with 37 CFR §1.56. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I hereby claim the priority benefits under 35 U.S.C. §119 of any application(s) for patent or inventor's certificate listed below. All foreign applications for patent or inventor's certificate on this invention filed by me or my legal representatives or assigns prior to the application(s) of which priority is claimed are also identified below.

PRIOR APPLICATION(S), IF ANY, OF WHICH PRIORITY IS CLAIMED

<u>COUNTRY</u>	<u>APPLICATION NO.</u>	<u>DATE OF FILING</u>
U.S.	60/032,282	Dec. 3, 1996
U.S.	60/033,767	Jan. 14, 1997
U.S.	60/047,566	May 22, 1997
U.S.	60/047,941	May 29, 1997
U.S.	60/055,533	Aug. 13, 1997

ALL FOREIGN APPLICATIONS, IF ANY, FILED PRIOR TO THE APPLICATION(S) OF WHICH PRIORITY IS CLAIMED

<u>COUNTRY</u>	<u>APPLICATION NO.</u>	<u>DATE OF FILING</u>
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POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark office connected therewith: Gordon D. Coplein #19,165, William F. Dudine, Jr. #20,569, Michael J. Sweedler #19,937, S. Peter Ludwig #25,351, Paul Fields #20,298, Harold E. Wurst #22,183, Joseph B. Lerch #28,936, Melvin C. Garner #28,272, Ethan Horwitz #27,646, Beverly B. Goodwin #28,417, Adda C. Gogoris #29,714, Martin E. Goldstein #20,869, Bert J. Lewen #19,407, Henry Sternberg #22,408, Robert A. Green #28,301, Peter C. Schechter #31,882, Robert Schaffer #31,184, David R. Franciscani #25,159, Robert C. Sullivan, Jr. #30,499, Ira J. Levy #35,587, Joseph R. Robinson #33,448, A. David Joran #37,858.

all of the firm of DARBY & DARBY P.C., 805 Third Avenue, New York, NY 10022

SEND CORRESPONDENCE TO:

DARBY & DARBY P.C.
805 Third Avenue
New York, NY 10022

DIRECT TELEPHONE CALLS TO:

A. David Joran, Esq.
212-527-7761

FULL NAME AND RESIDENCE OF INVENTOR 1

LAST NAME: DANISHEFSKY

FIRST NAME: Samuel

MIDDLE NAME: J.

CITY: Englewood

STATE OR FOREIGN COUNTRY: New Jersey

COUNTRY OF CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: c/o Office of Industrial Affairs,
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

CITY: New York

STATE OR COUNTRY: New York ZIP CODE: 10021

FULL NAME AND RESIDENCE OF INVENTOR 2

LAST NAME: BERTINATO	FIRST NAME: Peter	MIDDLE NAME:		
CITY: Old Lyme	STATE OR FOREIGN COUNTRY: Connecticut		COUNTRY OF CITIZENSHIP: U.S.A.	
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, Memorial Sloan-Kettering Cancer Center 1275 York Avenue		CITY: New York	STATE OR COUNTRY: New York	ZIP CODE: 10021

FULL NAME AND RESIDENCE OF INVENTOR 3

LAST NAME: SU	FIRST NAME: Dai Shi	MIDDLE NAME:		
CITY: New York	STATE OR FOREIGN COUNTRY: New York		COUNTRY OF CITIZENSHIP: China	
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, Memorial Sloan-Kettering Cancer Center 1275 York Avenue		CITY: New York	STATE OR COUNTRY: New York	ZIP CODE: 10021

FULL NAME AND RESIDENCE OF INVENTOR 4

LAST NAME: MENG	FIRST NAME: Dang Fang	MIDDLE NAME:		
CITY: New York	SATE OR FOREIGN COUNTRY: New York	COUNTRY OF CITIZENSHIP: China		
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, Memorial Sloan-Kettering Cancer Center 1275 York Avenue	CITY: New York	STATE OR COUNTRY: New York	ZIP CODE: 10021	

FULL NAME AND RESIDENCE OF INVENTOR 5

LAST NAME: CHOU	FIRST NAME: Ting-Chao	MIDDLE NAME:	
CITY: Paramus	STATE OR FOREIGN COUNTRY: New Jersey	COUNTRY OF CITIZENSHIP: U.S.A.	
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, Memorial Sloan-Kettering Cancer Center 1275 York Avenue	CITY: New York	STATE OR COUNTRY: New York	ZIP CODE: 10021

FULL NAME AND RESIDENCE OF INVENTOR 8

LAST NAME: KAMENECKA	FIRST NAME: Ted	MIDDLE NAME:	
CITY: New York	STATE OR FOREIGN COUNTRY: New York	COUNTRY OF CITIZENSHIP: USA	
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, Memorial Sloan-Kettering Cancer Center 1275 York Avenue	CITY: New York	STATE OR COUNTRY: New York	ZIP CODE: 10021

FULL NAME AND RESIDENCE OF INVENTOR 7

LAST NAME: SORENSEN	FIRST NAME: Erik	MIDDLE NAME: J		
CITY: San Diego	STATE OR FOREIGN COUNTRY: California	COUNTRY OF CITIZENSHIP: U.S.A.		
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, Memorial Sloan-Kettering Cancer Center 1275 York Avenue	CITY: New York	STATE OR COUNTRY: New York	ZIP CODE: 10021	

FULL NAME AND RESIDENCE OF INVENTOR 8

LAST NAME: BALOG

FIRST NAME: Aaron

MIDDLE NAME:

CITY: New York

STATE OR FOREIGN COUNTRY: New York

COUNTRY OF CITIZENSHIP: U.S.A.

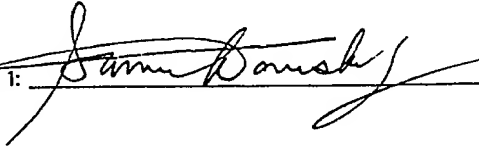
POST OFFICE ADDRESS: c/o Office of Industrial Affairs,
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

CITY: New York

STATE OR COUNTRY: New York ZIP CODE: 10021

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 1:



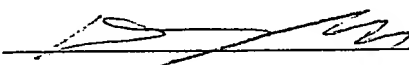
DATED:

12/30/97

SIGNATURE OF INVENTOR 2:

DATED:

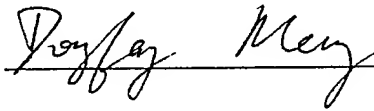
SIGNATURE OF INVENTOR 3:



DATED:

12/22/97

SIGNATURE OF INVENTOR 4:



DATED:

12/22/97


SIGNATURE OF INVENTOR 5:



DATED:

1/13/98

SIGNATURE OF INVENTOR 6:



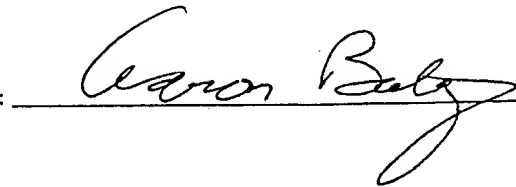
DATED:

12/22/97

SIGNATURE OF INVENTOR 7:

DATED:

SIGNATURE OF INVENTOR 8:



DATED:

12/30/97

FULL NAME AND RESIDENCE OF INVENTOR 8

LAST NAME: BALOG

FIRST NAME: Aaron

MIDDLE NAME:

CITY: New York

STATE OR FOREIGN COUNTRY: New York

COUNTRY OF CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: c/o Office of Industrial Affairs,
Memorial Sloan-Kettering Cancer Center
1275 York Avenue.

CITY: New York

STATE OR COUNTRY: New York ZIP CODE: 10021

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SIGNATURE OF INVENTOR 1: _____

DATED: _____

SIGNATURE OF INVENTOR 2: Peter BorkhatoDATED: 1/2/98SIGNATURE OF INVENTOR 3: [Signature]DATED: 12/22/97SIGNATURE OF INVENTOR 4: Dorothy MayDATED: 12/22/97

SIGNATURE OF INVENTOR 5: _____

DATED: _____

SIGNATURE OF INVENTOR 6: E. L. KamenickiDATED: 12/22/97

SIGNATURE OF INVENTOR 7: _____

DATED: _____

SIGNATURE OF INVENTOR 8: Aaron BalogDATED: 12/30/97

FILE NO.: 1078/1C598US5

**DECLARATION
AND POWER OF ATTORNEY
Original Application**

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**SYNTHESIS OF EPOTHILONES INTERMEDIATES THERETO,
ANALOGUES AND USES THEREOF**

which is described and claimed in:

[] the attached specification or [X] the specification in application
Serial No. 08/986,025, filed
December 3, 1997
(for declaration not accompanying appl.)

that I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application, that I acknowledge my duty to disclose information of which I am aware which is material to patentability in accordance with 37 CFR §1.56. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I hereby claim the priority benefits under 35 U.S.C. §119 of any application(s) for patent or inventor's certificate listed below. All foreign applications for patent or inventor's certificate on this invention filed by me or my legal representatives or assigns prior to the application(s) of which priority is claimed are also identified below.

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<u>COUNTRY</u>	<u>APPLICATION NO.</u>	<u>DATE OF FILING</u>
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U.S.	60/033,767	Jan. 14, 1997
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<u>COUNTRY</u>	<u>APPLICATION NO.</u>	<u>DATE OF FILING</u>
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all of the firm of DARBY & DARBY P.C., 805 Third Avenue, New York, NY 10022

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805 Third Avenue
New York, NY 10022

DIRECT TELEPHONE CALLS TO:

A. David Joran, Esq.
212-527-7761

FULL NAME AND RESIDENCE OF INVENTOR 1

LAST NAME: DANISHEFSKY

FIRST NAME: Samuel

MIDDLE NAME: J.

CITY: Englewood

STATE OR FOREIGN COUNTRY: New Jersey

COUNTRY OF CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: c/o Office of Industrial Affairs,
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

CITY: New York

STATE OR COUNTRY: New York ZIP CODE: 10021

FULL NAME AND RESIDENCE OF INVENTOR 2

LAST NAME: BERTINATO FIRST NAME: Peter MIDDLE NAME:
CITY: Old Lyme STATE OR FOREIGN COUNTRY: Connecticut COUNTRY OF CITIZENSHIP: U.S.A.
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, CITY: New York STATE OR COUNTRY: New York ZIP CODE: 10021
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

FULL NAME AND RESIDENCE OF INVENTOR 3

LAST NAME: SU FIRST NAME: Dai-Shi MIDDLE NAME:
CITY: New York STATE OR FOREIGN COUNTRY: New York COUNTRY OF CITIZENSHIP: China
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, CITY: New York STATE OR COUNTRY: New York ZIP CODE: 10021
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

FULL NAME AND RESIDENCE OF INVENTOR 4

LAST NAME: MENG FIRST NAME: Dang Fang MIDDLE NAME:
CITY: New York STATE OR FOREIGN COUNTRY: New York COUNTRY OF CITIZENSHIP: China
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, CITY: New York STATE OR COUNTRY: New York ZIP CODE: 10021
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

FULL NAME AND RESIDENCE OF INVENTOR 5

LAST NAME: CHOU FIRST NAME: Ting-Chao MIDDLE NAME:
CITY: Paramus STATE OR FOREIGN COUNTRY: New Jersey COUNTRY OF CITIZENSHIP: U.S.A.
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, CITY: New York STATE OR COUNTRY: New York ZIP CODE: 10021
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

FULL NAME AND RESIDENCE OF INVENTOR 6

LAST NAME: KAMENECKA FIRST NAME: Ted MIDDLE NAME:
CITY: New York STATE OR FOREIGN COUNTRY: New York COUNTRY OF CITIZENSHIP: USA
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, CITY: New York STATE OR COUNTRY: New York ZIP CODE: 10021
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

FULL NAME AND RESIDENCE OF INVENTOR 7

LAST NAME: SORENSEN FIRST NAME: Erik MIDDLE NAME: J
CITY: San Diego STATE OR FOREIGN COUNTRY: California COUNTRY OF CITIZENSHIP: U.S.A.
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, CITY: New York STATE OR COUNTRY: New York ZIP CODE: 10021
Memorial Sloan-Kettering Cancer Center
1275 York Avenue

FULL NAME AND RESIDENCE OF INVENTOR 8

LAST NAME: BALOG	FIRST NAME: Aaron	MIDDLE NAME:		
CITY: New York	STATE OR FOREIGN COUNTRY: New York	COUNTRY OF CITIZENSHIP: U.S.A.		
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, Memorial Sloan-Kettering Cancer Center 1275 York Avenue	CITY: New York	STATE OR COUNTRY: New York	ZIP CODE: 10021	

FULL NAME AND RESIDENCE OF INVENTOR 9

LAST NAME: SAVIN	FIRST NAME: Kenneth	MIDDLE NAME: A.		
CITY: New York	STATE OR FOREIGN COUNTRY: New York	COUNTRY OF CITIZENSHIP: U.S.A.		
POST OFFICE ADDRESS: c/o Office of Industrial Affairs, Memorial Sloan-Kettering Cancer Center 1275 York Avenue	CITY: New York	STATE OR COUNTRY: New York	ZIP CODE: 10021	

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 1: _____

DATED: _____

SIGNATURE OF INVENTOR 2: _____

DATED: _____

SIGNATURE OF INVENTOR 3: _____

DATED: _____

SIGNATURE OF INVENTOR 4: _____

DATED: _____

SIGNATURE OF INVENTOR 5: _____

DATED: _____

SIGNATURE OF INVENTOR 6: _____

DATED: _____

SIGNATURE OF INVENTOR 7: _____

DATED: _____

SIGNATURE OF INVENTOR 8: _____

DATED: _____

SIGNATURE OF INVENTOR 9: Ben Steer

DATED: 3/18/98

Docket No. 1078/1C598US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Samuel J. DANISHEFSKY, Peter BERTINATO, Dai-Shi SU, Dang Fang MENG, Ting-Chao CHOU, Ted KAMENECKA, Erik J. SORENSEN and Aaron BALOG

Serial or Patent No: 08/986,025

Filed: December 3, 1997

For: SYNTHESIS OF EPOTHILONES, INTERMEDIATES THERETO, ANALOGUES AND
USES THEREOF

**DECLARATION CLAIMING SMALL ENTITY STATUS --
NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION: Sloan-Kettering Institute for Cancer Research

ADDRESS OF ORGANIZATION: 1275 York Avenue, New York, New York 10028

TYPE OF ORGANIZATION

- ☐ University or other institution of higher education
- ☒ Tax exempt under Internal Revenue Service Code (26 U.S.C. §501(a) and 501(c)(3))
- ☐ Nonprofit scientific or educational organization under statute of state of the United States of America
(name of state:)
citation of statute:)
- ☐ Would qualify as tax exempt under Internal Revenue Service Code (26 U.S.C. §501(a) and 501(c)(3)) if located in the United States of America
- ☐ Would qualify as nonprofit scientific or educational under statute of state of the United States of America if located in the United States of America
(name of state:)
(citation of statute:)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 C.F.R. §1.9(e) for purposes of paying reduced fees under Section 41(a) or (b) of Title 35, United States Code with regard to the invention entitled

SYNTHESIS OF EPOTHILONES, INTERMEDIATES THERETO, ANALOGUES AND USES THEREOF

by inventor(s) Samuel J. DANISHEFSKY, Peter BERTINATO, Dai-Shi SU, Dang Fang MENG, Ting-Chao CHOU, Ted KAMENECKA, Erik J. SORENSEN and Aaron BALOG described in

- ☐ the specification filed herewith
☒ application Serial No. 08/986,025 , filed December 3, 1997
☐ Patent No. , issued

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 C.F.R. §1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 C.F.R. §1.9(d) or a nonprofit organization under 37 C.F.R. §1.9(e).

*NOTE: Separate declarations are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 C.F.R. §1.27)

FULL NAME:

ADDRESS:

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 C.F.R. §1.28(b)).

Name of Person Signing: James S. Quirk

Title in Organization: Senior Vice President – Research Resources Management

Address of Person Signing: 1275 York Avenue, New York, New York 10028

Signature: James S. Quirk

Date: 1/20/98

NONPROFIT ORGANIZATION

File No.: 1078/1C598US5

ASSIGNMENT

WHEREAS, we, DANISHEFSKY, Samuel J., residing at 22 Brayton Street, Englewood, New Jersey 07631, a citizen of the U.S.A.;

BERTINATO, Peter, residing at 1 Longacre Lane, Old Lyme, Connecticut 06371,
a citizen of the U.S.A.;

SU, Dai-Shi, residing at 303 East 71st Street, Apt. 1G, New York, New York 10021,
a citizen of China;

MENG, Dang Fang, residing at 312 East 66th Street, Apt. A, New York, New York 10021, a citizen of China;

CHOU, Ting-Chao, residing at 5 Daisy Way, Paramus, New Jersey 07652, a citizen of the U.S.A.;

KAMENECKA, Ted, residing at 310 East 66th Street, Apt. 4B, New York, New York, 10021, a citizen of the U.S.A.;

SORENSEN, Erik J., residing at 5275 Toscana Way #144, San Diego, California
92122, a citizen of the U.S.A., and

BALOG, Aaron, residing at 504 East 81st Street, Apt. 4M, New York, New York: 10028, a citizen of the U.S.A.

hereinbelow called "Assignors" have made a certain invention in

SYNTHESIS OF EPOTHILONES INTERMEDIATES THERETO, ANALOGUES AND USES THEREOF

described in the specification in U.S. patent application Serial No. 08/986,025 filed in the U.S. Patent and Trademark Office on December 3, 1997; and

WHEREAS, SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, a corporation organized and existing under and by virtue of the laws of the State of New York and having offices and doing business at 1275 York Avenue, New York, New York 10021 and elsewhere, hereinbelow called the "Assignee", is desirous of securing the entire right, title and interest in to the

NOW, THEREFORE, BE IT KNOWN, that for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by the said Assignee, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, the said Assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted on any of them;

TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by us had this sale and assignment not been made.


For the consideration aforesaid, we hereby covenant and agree to and with the said Assignee, its successors and assigns, that whenever its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with said application or invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of said Letters Patent is lawful and desirable, we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or continuation or extension of the same, and will do all acts necessary or required to secure to the said Assignee, its successors and assigns, the title to and full benefit of all rights hereby assigned, without charge to said Assignee or its successors or assigns, but at its or their expense;

AND the Commissioner of Patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and assignment.


For the consideration aforesaid, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto the said Assignee, its successors and assigns, or the nominees of any of them, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States, and in and to the invention described in said applications; and we hereby authorize and empower said Assignee and its successors, assigns or nominees, to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successors, assigns or nominees, in any or all countries where it may desire to file such application, and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful affidavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said invention in countries foreign to the United States, and for further investing or confirming the right and title thereto in the Assignee, its successors, assigns or

SECRET


Dated: 12/22/98
Witness: Campbell Echols


DANISHEFSKY, Samuel J., Inventor

BERTINATO, Peter, Inventor


SU, Dai-Shi, Inventor

Dong Fang Meng
MENG, Dong Fang, Inventor


CHOU, Ting-Chao, Inventor

Ted Kamenecka
KAMENECKA, Ted, Inventor

Dated: _____

Witness: _____

Dated: 12/30/97

Witness: _____

Campbell Echols

SORENSEN, Erik J., Inventor

Aaron Balog
BALOG, Aaron. Inventor

Patent is lawful and desirable, we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or continuation or extension of the same, and will do all acts necessary or required to secure to the said Assignee, its successors and assigns, the title to and full benefit of all rights hereby assigned, without charge to said Assignee or its successors or assigns, but at its or their expense;

AND the Commissioner of Patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and assignment.

For the consideration aforesaid, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto the said Assignee, its successors and assigns, or the nominees of any of them, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States, and in and to the invention described in said applications; and we hereby authorize and empower said Assignee and its successors, assigns or nominees, to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successors, assigns or nominees, in any or all countries where it may desire to file such application, and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful affidavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said invention in countries foreign to the United States, and for further investing or confirming the right and title thereto in the Assignee, its successors, assigns or nominees, without charge to said Assignee, its successors, assigns or nominees, but at its or their expense.

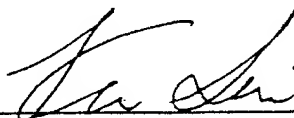
We declare under penalty of perjury under the laws of the United States of America that we have signed this document as our own free act and that all of the foregoing is true and correct.

Dated.

3/18/98

Witness:

Stanley G. Gholz
510 E. 82nd St. #A
N.Y.C. 10028


SAVIN, Kenneth A., Inventor



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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DARBY & DARBY, P.C.
A. DAVID JORAN
805 THIRD AVENUE, 27TH FLOOR
NEW YORK, NY 10022-7513

**CORRECTED
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RECORDATION DATE: 02/09/1998

REEL/FRAME: 9008/0728
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
DANISHEFSKY, SAMUEL J.

DOC DATE: 12/22/1997

ASSIGNOR:
BERTINATO, PETER

DOC DATE: 01/02/1998

ASSIGNOR:
SU, DAI-SHI

DOC DATE: 12/22/1997

ASSIGNOR:
MENG, DANG FANG

DOC DATE: 12/22/1997

ASSIGNOR:
CHOU, TING-CHAO

DOC DATE: 01/08/1998

ASSIGNOR:
KAMENECKA, TED

DOC DATE: 12/22/1997

ASSIGNOR:
SORENSEN, ERIK J.

DOC DATE: 01/12/1998

ASSIGNOR:
BALOG, AARON

DOC DATE: 12/30/1997

ASSIGNEE:
SLOAN-KETTERING INSTITUTE FOR
CANCER RESEARCH
1275 YORK AVENUE
NEW YORK, NEW YORK 10021

SERIAL NUMBER: 08986025
PATENT NUMBER:

FILING DATE: 12/03/1997
ISSUE DATE:

MARGARET LASALLE, PARALEGAL
ASSIGNMENT DIVISION
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DARBY & DARBY P.C.
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805 THIRD AVENUE, 27TH FLOOR
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RECORDATION DATE: 06/04/1998

REEL/FRAME: 9234/0239
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
SAVIN, KENNETH A.

DOC DATE: 03/18/1998

ASSIGNEE:
SLOAN-KETTERING INSTITUTE FOR
CANCER RESEARCH
1275 YORK AVENUE
NEW YORK, NEW YORK 10021

SERIAL NUMBER: 08986025
PATENT NUMBER:

FILING DATE: 12/03/1997
ISSUE DATE:

MARGARET LASALLE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ASSIGNMENT

WHEREAS, I,

Kenneth A. Savin, residing at 504 East 81st Street, Apt. 4D, New York, New York 10028, a citizen of the United States of America,

hereinbelow called "Assignor," have made a certain invention in

**SYNTHESIS OF EPOTHILONES INTERMEDIATES THERETO,
ANALOGUES AND USES THEREOF**

described in the specification in U.S. patent application Serial No. 08/986,025 filed in the U.S. Patent and Trademark Office on December 3, 1997; and

WHEREAS, SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, a corporation organized and existing under and by virtue of the laws of the State of New York and having offices and doing business at 1275 York Avenue, New York, New York 10021 and elsewhere, hereinbelow called the "Assignee," is desirous of securing the entire right, title and interest in to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted thereon;

NOW, THEREFORE, BE IT KNOWN, that for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by the said Assignee, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, we, the said Assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted on any of them;

TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by us had this sale and assignment not been made.

For the consideration aforesaid, we hereby covenant and agree to and with the said Assignee, its successors and assigns, that whenever its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with said application or invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of said Letters

nominees, without charge to said Assignee, its successors, assigns or nominees, but at its or their expense.

We declare under penalty of perjury under the laws of the United States of America that we have signed this document as our own free act and that all of the foregoing is true and correct.

Dated: _____

Witness: _____

DANISHEFSKY, Samuel J., Inventor

Dated: _____

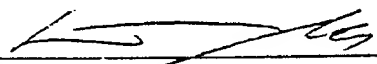
Witness: _____

BERTINATO, Peter, Inventor

Dated: 12/22/97

Witness: _____

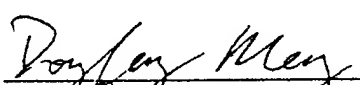
Campbell Echols


SU, Dai-Shi, Inventor

Dated: 12/22/97

Witness: _____

Campbell Echols


MENG, Deng Fang, Inventor

Dated: _____

Witness: _____

CHOU, Ting-Chao, Inventor

Dated: 12/22/97

Witness: _____

Campbell Echols


KAMENECKA, Ted, Inventor

nominees, without charge to said Assignee, its successors, assigns or nominees, but at its or their expense.

We declare under penalty of perjury under the laws of the United States of America that we have signed this document as our own free act and that all of the foregoing is true and correct.

Dated: _____

Witness: _____

DANISHEFSKY, Samuel J., Inventor

Dated: 1/2/98

Witness: _____

Stephen W. Wright

Peter Bertinato
BERTINATO, Peter, Inventor

Dated: 12/22/97

Witness: _____

Campbell Echols

Dai-Shi Su
SU, Dai-Shi, Inventor

Dated: 12/22/97

Witness: _____

Campbell Echols

Deng Fang Meng
MENG, Deng Fang, Inventor

Dated: _____

Witness: _____

CHOU, Ting-Chao, Inventor

Dated: 12/22/97

Witness: _____

Campbell Echols

Ted Kamenecka
KAMENECKA, Ted, Inventor

Dated: 1/12/98

Witness: Cecilia Salazar

Erik J. Sorensen
SORENSEN, Erik J., Inventor

Dated: 12/30/97

Witness: _____

Campbell Echols

Aaron Balog
BALOG, Aaron, Inventor